

REMARKS

SUMMARY

Claims 1 and 3 have been amended.

Claims 2 and 4 have been cancelled.

Claims 1, 3, and 5 are pending.

REJECTION UNDER 35 U.S.C. § 103

The Examiner rejected claims 1-5 under 35 U.S.C. § 103 as being obvious over U.S. Patent No. 6,208,770 (Gilman et al.), JP 2001-054043 (Masaru), U.S. Patent No. 6,873,357 B2 (Fuchimukai et al.) and JP 405162356 (Matsuyama). Applicant submits that claims 1 and 3, as amended, are not shown or suggested by the cited references.

The Examiner concedes that Gilman does not teach displaying all images with the same viable angle by including a non-display portion of the images or not printing the non-display portion. The Examiner cites Masaru as disclosing displaying a thumbnail image of a first image having a first shape, a long-shaped image, which is displayed having a non-display portion, making it a wide-shaped image. The Examiner also concedes that the combination of Gilman and Masaru does not teach not printing the non-display portion.

In the invention of claims 1 and 3, as amended, image data for images having different shapes, such as a wide shaped and a long shaped image, is compressed into thumbnail image data for displaying and for printing the thumbnail images. The image data for images that are to be displayed for long images, for example, is compressed as a thumbnail image having a non-display portion and oriented in the same visible angle as that of a thumbnail image of a widescreen image. However for printing, the image of the long shaped image is compressed into image data without the non-display portion and oriented at a different visible angle (90° for example, as recited in claim 1) from that of the wide shaped image. Thus, for viewing, all of the images are viewed at the same visible angle but for printing the images can be printed at different orientations to accommodate the shape of the image.

As the Examiner concedes, Gilman does not disclose an arrangement for displaying all images in the same visible angle or an arrangement that includes a non-display portion for the images of a different shape. The disclosure of Gilman is directed to print enable software for preparing a layout to be printed by calculating a size of a selected image, rotating the selected

image as needed so as to allow an image in a landscape direction and an image in a portrait direction to coexist on a page to be printed, and arranging the images so as to more efficiently "fill a page". However, as can be seen from FIG. 5 of this reference, thumbnail images displayed on a display screen 52 are mixed in the landscape direction and in the portrait direction. In contrast, the present claims are directed to an arrangement wherein the thumbnail images for displaying can be viewed at the same visible angle and thus can be displayed in a desirable manner.

The Masaru reference is directed to an arrangement to increase the printing speed at the time of printing a main image and serves to reduce a time for calling the main image into a memory region to prepare print data by performing process of displaying, transmitting, and the like by the use of the thumbnail image data. The Masaru disclosure is different from the present invention, in the problems to be solved and means for solving these problems.

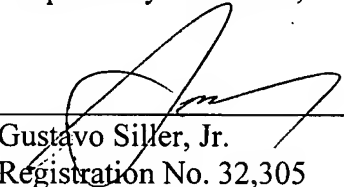
The Fuchimukai et al. reference discloses that a reproduced image is displayed in a visible direction on a monitor, without erroneously detecting a posture of a camera body even when an acceleration other than the gravity acts on the camera body. This reference does not disclose thumbnail images obtained by compressing and manipulating the images having different shapes, such as a wide shape and a long shape. The Matsuyama reference is totally devoid of any teaching of using non-print portions on an image to be displayed but not on an image to be printed.

Therefore, Applicant respectfully submits that the combination of references does not suggest the invention of claims 1 or 3. Since claim 5 depends from allowable claim 3 it is also allowable.

For at least the reasons presented above, the Applicant respectfully submits that the pending claims are in condition for allowance.

The Examiner is respectfully requested to contact the undersigned in the event that a telephone interview would expedite consideration of the application.

Respectfully submitted,



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